

Notice of Allowability**Application No.**

10/608,240

Examiner

HIEU T. HOANG

Applicant(s)

SMITH ET AL.

Art Unit

2452

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communication filed on 11/21/2008.
2. ☒ The allowed claim(s) is/are 1-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 1/07/2009.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Kenny S Lin/
Primary Examiner, Art Unit 2452

DETAILED ACTION
EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Katrina Lyon on 01/07/2009.

The claims (only claims 1, 12, 19, 24 are amended) have been amended as follows:

1. (currently amended) A wireless programmable user interaction system providing user interaction with networked services relating to physical objects that have associated machine-readable tags, comprising:

a portable interaction device in wireless communication with a computer network, the portable interaction device including a portable computing device, with a payload processor and an associated machine-readable tag reader, wherein the portable interaction device generates tag identity information relating to a selected physical object upon operating the machine-readable tag reader to read a machine-readable tag associated with the selected physical object;

an interaction system catalog that can indicate the types of information, interactions and computer network services that are available for the selected physical

object, in the portable computing device of the portable interaction device, storing tag format information that correlates the tag identity information with an identity information category to obtain one or more functional payloads operable by the payload processor; and

a payload delivery service that delivers to the payload processor a selected functional payload, received via the wireless communication, to be executed by the payload processor to provide to the user a networked service corresponding to the selected physical object; and

a catalog explorer module that provides a resolution service that conforms a list of payloads in the interaction system catalog with a class, category or format of identity information corresponding to one or more recently read tags.

12. (currently amended) In a portable interaction device with means for wireless communication with a computer network, the portable interaction device including a portable computing device and an associated machine-readable tag reader, wherein the portable interaction device generates tag identity information upon operating the machine-readable tag reader to read a machine-readable tag, user interaction software stored on the portable computing device and providing user interaction with networked services relating to selected physical objects that have associated machine-readable tags, comprising:

a payload processor operating on the portable computing device comprising a tag reader;

an interaction system catalog that can indicate the types of information, interactions and computer network services that are available for the selected physical object, in the portable computing device of the portable interaction device, storing tag format information that correlates the tag identity information with an identity information category to obtain one or more functional payloads operable by the payload processor; and

a payload delivery service that delivers to the payload processor a selected functional payload, received via the wireless communication, to be executed by the payload processor to provide to the user a networked service corresponding to the selected physical object; and

a catalog explorer module that provides a resolution service that conforms a list of payloads in the interaction system catalog with a class, category or format of identity information corresponding to one or more recently read tags.

19. (currently amended) A wireless programmable user interaction system providing user interaction with networked services relating to physical objects that have associated machine-readable tags, comprising:

a portable interaction device in wireless communication with a local computer network, the portable interaction device including a portable computing device, with a payload processor, and an associated machine-readable tag reader, wherein the portable interaction device generates tag identity information relating to a selected

physical object upon operating the machine-readable tag reader to read a machine-readable tag associated with the selected physical object;

an interaction system catalog that can indicate the types of information, interactions and computer network services that are available for the selected physical object, in the portable computing device of the portable interaction device, that stores tag format information that correlates the tag identity information with an identity information category and related information to obtain one or more functional payloads operable by the payload processor;

a payload delivery service that delivers to the payload processor a selected functional payload, received via the wireless communication, to be executed by the payload processor to provide to the user a networked service corresponding to the selected physical object; and

a payload server communicating with the local computer network via a public global computer network and providing the selected functional payload to the payload delivery service via the public global computer network and the wireless communication; and

a catalog explorer module that provides a resolution service that conforms a list of payloads in the interaction system catalog with a class, category or format of identity information corresponding to one or more recently read tags.

24. (currently amended) A wireless programmable user interaction system providing user interaction with networked services relating to physical objects that have

associated machine-readable tags which provides information, interactions and computer services for a given physical object, comprising:

a portable interaction device in wireless communication with a computer network, the portable interaction device including a portable computing device, with a payload processor and an associated machine-readable tag reader, wherein the portable interaction device generates tag identity information relating to a selected physical object upon operating the machine-readable tag reader to read a machine-readable tag associated with the selected physical object;

an interaction system catalog that can indicate the types of information, interactions and computer network services that are available for the selected physical object, in the portable computing device of the portable interaction device, storing tag format information that correlates the tag identity information with an identity information category to obtain one or more functional payloads operable by the payload processor; and

a payload delivery service that delivers to the payload processor a selected functional payload, received via the wireless communication, to be executed by the payload processor that includes a browser that executes the selected functional payload at the portable interaction device to provide to the user a networked service corresponding to the selected physical object; and

a catalog explorer module that provides a resolution service that conforms a list of payloads in the interaction system catalog with a class, category or format of identity information corresponding to one or more recently read tags.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

Claims 1-24 are allowed in response the communication filed on 11/21/2008. The prior art of record does not teach the claimed invention, as follows.

For claims 1, 12, 19 and 24, the prior art does not teach

"an interaction system catalog that can indicate types of information, interactions and computer network services that are available for the selected physical object, in the portable computing device of the portable interaction device, storing tag format information that correlates the tag identity information with an identity information category to obtain one or more functional payloads operable by the payload processor; and

a payload delivery service that delivers to the payload processor a selected functional payload, received via the wireless communication, to be executed by the payload processor to provide to the user a networked service corresponding to the selected physical object; and

a catalog explorer module that provides a resolution service that conforms a list of payloads in the interaction system catalog with a class, category or format of identity information corresponding to one or more recently read tags."

The prior art fails to teach the claimed interaction system catalog in the portable computing device that stores tag format information that correlates the tag identity

information with an identity information category and a catalog explorer module that conforms a list of payloads in the interaction system catalog with a class, category or format of identity information corresponding to one or more recently read tags. The prior art rather teaches a UPN/URL database that is on a stationary computer and browsing modes using encoded HTML links to information on a server.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure is included in form PTO 892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hieu T. Hoang whose telephone number is 571-270-1253. The examiner can normally be reached on Monday-Thursday, 8 a.m.-5 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HH

/Kenny S Lin/

Primary Examiner, Art Unit 2452